

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: BRIAN L. LAWRENCE , ET AL : Group Art Unit:  
Serial No.: : Examiner:  
Filed: :  
For TUNABLE LASER :

## INFORMATION DISCLOSURE STATEMENT

- ☒ 1 **Pursuant to 37CFR 1.97(b)**  
[within 3 months of national, non-CPA filing or prior to 1st Office Action] *no charge*
- ☐ 2 **Certification Pursuant to 37 CFR 1.97(c)(1)**  
[before Final Office Action, Allowance, or other action closing prosecution] *no charge*
- ☐ 3 **Fee Payment Pursuant to 37 CFR 1.97(c)(2)**  
[before Final Office Action, Allowance, or other action closing prosecution] *\$180.00*
- ☐ 4 **Certification & Fee Payment Pursuant to 37 CFR 1.97(d)**  
[On or before issue fee payment] *\$180.00*

ATTN: MAILSTOP PATENT APPLICATION  
COMMISSIONER FOR PATENTS  
ALEXANDRIA, VA 22313-1450

Sir:

The following are submitted in the above application in compliance with 37 CFR 1.97 and 37 CFR 1.98:

- ☒ 5 A list of documents on form PTO-1449 or Substitute together with copies of each identified document and a translation thereof or a concise explanation of each non-English language document or a Search Report from an International Searching Authority for a patent application filed via the Patent Cooperation Treaty or document(s) cited in the application or the priority application.

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Assistant Commissioner for Patents, Washington, D.C. 20231, on the date indicated below.

\_\_\_\_\_  
Date of Deposit

\_\_\_\_\_  
Type or Print Name

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Signature

This paper is submitted in accordance with:

- ☒ 6 37 CFR 1.97(b): [within 3 months of national, non-CPA filing or prior to 1st Office Action]
- ☐ 7 37 CFR 1.97(c): [before Final Office Action, Allowance, or other action closing prosecution, whichever is earlier]; and
- ☐ 8 The required Certification made in item 11 below;
- ☐ 9 <sup>or</sup> The \$180.00 fee specified in 37 CFR 1.17(p) for submission of this Information Disclosure Statement is authorized in item 15 below.
- ☐ 10 37 CFR 1.97(d): [on or before issue fee payment]; and
- a) The required Certification is stated in item 11 below; and
- b) The \$180.00 fee specified in 37 CFR 1.17(p) for submission of this Information Disclosure Statement is authorized in item 14 below.
- ☐ 11 Certification
- ☐ 12 Each item of information contained in this Statement was first cited in any communication from a foreign patent office in a counterpart foreign patent application not more than three months prior to the filing of this Statement; or
- ☐ 13 No item contained in this Statement was cited in a communication from a foreign patent office in a counterpart foreign application and, to the knowledge of the person signing this document after making reasonable inquiry, no item of information contained in this Statement was known to any individual designated in 37 CFR 1.56(c) more than three (3) months prior to the filing date of this Statement.
- ☒ 14 Payment of all applicable fees:
- ☒ 15 Please charge all applicable fees associated with the submittal of this Information Disclosure Statement to Deposit Account No. 07-0868

An original and two (2) copies of this document are enclosed.

Respectfully submitted,

31-march-04

Date

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CRD Patent Docket Rm 4A59  
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FORM PTO-1449  
(REV. 7-80) ~  
(Title Amended 3/83)

U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICE

ATTY. DOCKET NO.

139955

SERIAL NO.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT--  
LIST OF ITEMS

(Use several sheets if necessary)

Applicant

BRIAN L. LAWRENCE, ET AL

Filing Date

Group

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	AA 6 2 9 5 3 0 5	09/25/01	MATSUMOTO, ET AL			
	AB					
	AC					
	AD					
	AE					
	AF					
	AG					
	AH					
	AI					
	AJ					
	AK					

FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	No
	AL						
	AM						
	AN						
	AO						
	AP						

OTHER INFORMATION (Including Author, Title, Date, Pertinent pages. Etc.)

	AR	J. SAIKAWA, ET AL "VOLUME HOLOGRAPHIC MEMORIES BY USING TUNABLE FREQUENCY-DOUBLED Yb-YAG MICROCHIP LASER", 1999 IEEE, PP. 1179-1180.
	AS	T. TAIRA, ET AL, "DIODE-PUMPED TUNABLE Yb:YAG MINIATURE LASERS AT ROOM TEMPERATURE: MODELING AND EXPERIMENT, 1997 IEEE JOURNAL OF SELECTED TOPICS IN QUANTUM ELECTRONICS, VOL. 3, NO. 1, 2/97, PP. 100-104.
	AT	W. CULSHAW, ET AL, "EFFICIENT FREQUENCY-DOUBLED SINGLE-FREQUENCY Nd:YAG LASER, IEEE JOURNAL OF QUANTUM ELECTRONICS, VO. QE-10, NO. 2, 2/74, PP 253-263.

EXAMINER

DATE CONSIDERED

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.